

**AMENDMENTS TO THE CLAIMS:**

This listing of the claims will replace all prior versions, and listings, of the claims in this application:

**Listing of Claims:**

1. - 8. (Canceled)

9. (Currently Amended) The method of claim 18 comprising locating the at least one spare bit in a rest octet of the system information 3 message.

10. (Currently Amended) An apparatus comprising:

a controller having two or more service modes, where the controller wirelessly communicates to at least one wireless terminal an availability of at least one of the two or more service modes through the use of a system information 3 ~~System Information 3 (SI3)~~ message of a global system for mobile communications ~~Global System for Mobile communications (GSM)~~ system transferred on a first broadcast control channel, wherein an availability of one of the two or more service modes is indicated through a single spare bit in the first message, and, if it is indicated that the one of the two or more service modes is available, then a second broadcast control channel through which service information of the one of the two or more service modes is to be broadcast is described.

11. (Currently Amended) An apparatus as in claim 10, wherein the first broadcast control channel is a broadcast control channel (~~BCCH~~) of the global system for mobile communications ~~GSM~~ system.

12. (Currently Amended) An apparatus as in claim 10, wherein the single spare bit is a spare bit in the system information 3 ~~SI3~~ rest octets.

13. (Previously Presented) An apparatus as in claim 12, wherein the single spare bit is an Iu support indicator.

14. (Currently Amended) An apparatus as in claim 10, wherein the single spare bit represents the only previously undedicated bit in the system information 3 ~~SI3~~ message.

15. (Currently Amended) An apparatus as in claim 10, wherein the apparatus comprises a base station controller in a global system for mobile communications/ enhanced data rates for global evolution GSM/ EDGE radio access network (GERAN) cell.

16. - 17. (Canceled)

18. (Currently Amended) A method comprising:

~~for broadcasting of a possibility to use UMTS service in a cell under control of a GSM/EDGE radio access network (GERAN) type radio access network having an Iu interface to a 3G core network, a radio resource management system of the radio access network comprising a first and a second message, which messages are transferred on a first broadcast control channel in said cell, and which first message has at least one spare bit, wherein said first message is system information 3 of GSM system, and~~

~~the method comprises in a cell under control of a global system for mobile communications/ enhanced data rates for global evolution radio access network radio access network having an Iu interface to a 3G core network, a radio resource management system of the radio access network comprising a first and a second message, which messages are transferred on a first broadcast control channel in said cell, and which first message has at least one spare bit, wherein said first message is system information 3 of global system for mobile communications system, using of said at least one spare bit for broadcasting of a possibility to use universal mobile telecommunications system service by for indicating whether said cell supports a universal mobile telecommunications system an UMTS service, and~~

in a favorable case in which the global system for mobile communications/ enhanced data rates for global evolution radio access network radio access network GERAN controlled cell is determined to support the universal mobile telecommunications system UMTS service, [-] describing a second broadcast control channel in the second message to at least Iu mobile stations, and [-] broadcasting universal mobile telecommunications system UMTS service information for Iu mobile stations on the second broadcast control channel.

19. (Currently Amended) The method of claim 18, said first channel being a broadcast control channel BCCH of the global system for mobile communications GSM system and said second channel being a packet broadcast control channel PBCCH of the global system for mobile communications GSM system.

20. (Currently Amended) The method of claim 18, the radio access network supporting the universal mobile telecommunications system UMTS service and not supporting a general packet radio service GPRS service, wherein said first message further comprises an Iu indicator field, and said second message is system information 13ALT of the global system for mobile communications GSM system and is legible only to Iu mobile stations.

21. (Currently Amended) The method of claim 18, the radio access network supporting both the universal mobile telecommunications system UMTS service and a general packet radio service GPRS service, wherein said second message is system information 13 of the global system for mobile communications GSM system.

22. (Currently Amended) A method of claim 21, the second channel being available also to the general packet radio service GPRS service, wherein said message system information 13 is legible only to Iu mobile stations and Gb mobile stations.

23. (Currently Amended) A method of claim 21, the second channel being not available to the general packet radio service GPRS service, wherein a description of the second channel in the message system information 13 is legible only to Iu mobile stations.

24. (Currently Amended) A method of claim 20, said Iu indicator field indicating, whether normal broadcast control channel BCCH or extended broadcast control channel BCCH is used to transfer the second message.

25. (Currently Amended) The method of claim 18, said cell being barred against universal mobile telecommunications system UMTS operation through Iu interface by indicating with said spare bit that universal mobile telecommunications system UMTS service is not supported in said cell.